ABOVEGROUND STORAGE TANK
CLOSURE REPORT

For Property Located at

12200 LOS NIETOS ROAD SANTA FE SPRINGS, CALIFORNIA 90670

Prepared for

ARTHUR HOLST Property Owner

August 2001

Conservtech, Division of Delphey/Gerdes Engineering, Inc. Vernon, CA

CONTENTS

1.0	INTE	RODUCTION	1
2.0	DESC	CRIPTION OF PACILITY	1
3.0	CLOS	SURE OF ABOVEGROUND STORAGE TANKS	3
	3.2 3.3	Removal of Tanks Soil Sampling Results from Analysis of Soil Samples Groundwater Data	3 5 6 7
4.0	ASSI	ESSMENT OF FINDINGS	8
5.0	LIM	TATIONS	9
6.0	CLOS	SING	10
PIGU	RES		
	1	Site Location Map	2
	2	Site Plan Showing Sampling Locations	4
TABI	æs		
	1	Description of Tanks	1
	2	Observations of Lithology	6
	3	Analyte Concentrations Detected in Soil Samples Obtained on 1 August 2001	7
	4	Groundwater Data	8
APPE	MDIC	RS .	
	A	City of Santa Fe Springs Fire Department Application for Storage Tank Closure	
	В	Uniform Hazardous Waste Manifests for Disposal Tank Contents, Rinsate, and Bag House Dust	of
	С	Marine Chemist Certification and Testing	
	D	Certificates of Tank Destruction/Disposal	
	E	Soil Sampling Protocol	
	F	Laboratory Results from Analysis of Soil Samp	les

ABOVEGROUND STORAGE TANK CLOSURE REPORT

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12200 Los Nietos Road Santa Fe Springs, California 90670

1.0 INTRODUCTION

This report is submitted to the Santa Fe Springs Fire Department (SFSFD) for review and approval. It documents the closure of aboveground storage tanks (ASTs) and a bag house on the subject site, including the investigation of soil conditions beneath the tanks for evidence of leakage.

2.0 DESCRIPTION OF FACILITY

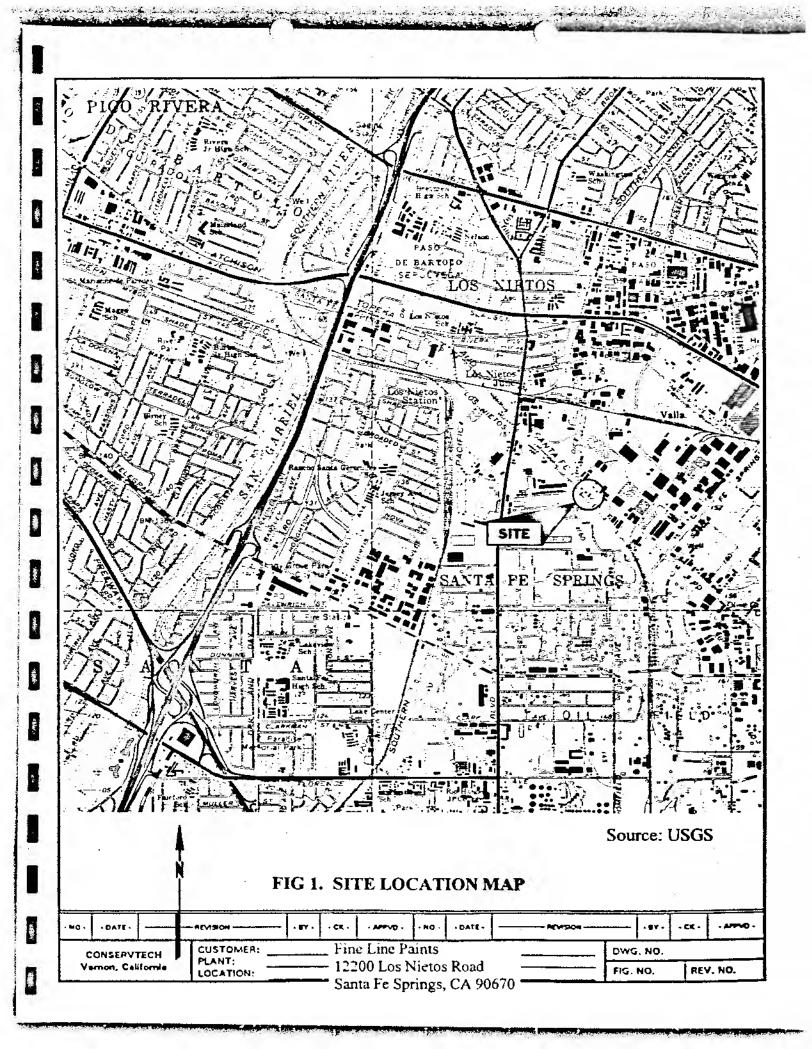
The location of the subject property is shown on the Site Location Map (Figure 1). The site is on the south side of Los Nietos Road east of Norwalk Boulevard, the nearest cross street. The current property owner is Arthur E. Holst.

At present, this facility is vacant; the most recent occupant was Fine Line Paints, a manufacturer. The nine aboveground tanks had been used to store various basic materials used in the manufacture of paint products. These units are described in Table 1, as follows:

TABLE 1 Description of Tanks

	Tank Apr	rox. Capacity	y +
Tank II		(gallons)	Previous Contents
ST1	Piberglass	10,000	Polyvinyl Acetate (PVA)
ST2	Piberglass	6,000(a)	PVA
ST3	Carbon Steel	6,000	Resin
ST4	Carbon Steel	6,000	Resin
ST5	Carbon Steel	1,500(b)	Naphtha
ST6	Carbon Steel	1,500(b)	Ethylene Glycol
ST7	Stainless Steel	2,000	PVA
ST8	Carbon Steel	2,000(c)	Resin
ST9	Carbon Steel	2,000(c)	Resin

- * As given on the Application for Storage Tank Closure.
- (a) Dimensions on Certificate of Disposal suggest an approximate capacity of 7,000 gallons.
- (b) Certificate of Destruction gives the capacities of ST5 and ST6 as 1,000 gallons each.
- (c) Certificate of Destruction gives the capacities of ST8 and ST9 as 4,000 gallons each.



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The Certificate of Disposal and the three Certificates of Destruction document the destruction of ten containers. These units include the nine aboveground storage tanks (ST1-ST9) plus a "bag house," a metal enclosure which provided a repository for dust filtered from air circulated within the plant.

The nine aboveground storage tanks were located in the open yard at the easterly end of the property, as shown on the Site Plan Showing Sampling Locations (Figure 2). All of these units were clustered together within a bermed area on a thick concrete base. Among the ten containers, only Tanks ST5 and ST6 contained some residual liquids. All other tanks contained dried residual product which had to be chiseled out. The bag house contained a substantial quantity of dust which was removed for disposal.

3.0 CLOSURE OF ABOVEGROUND STORAGE TANKS

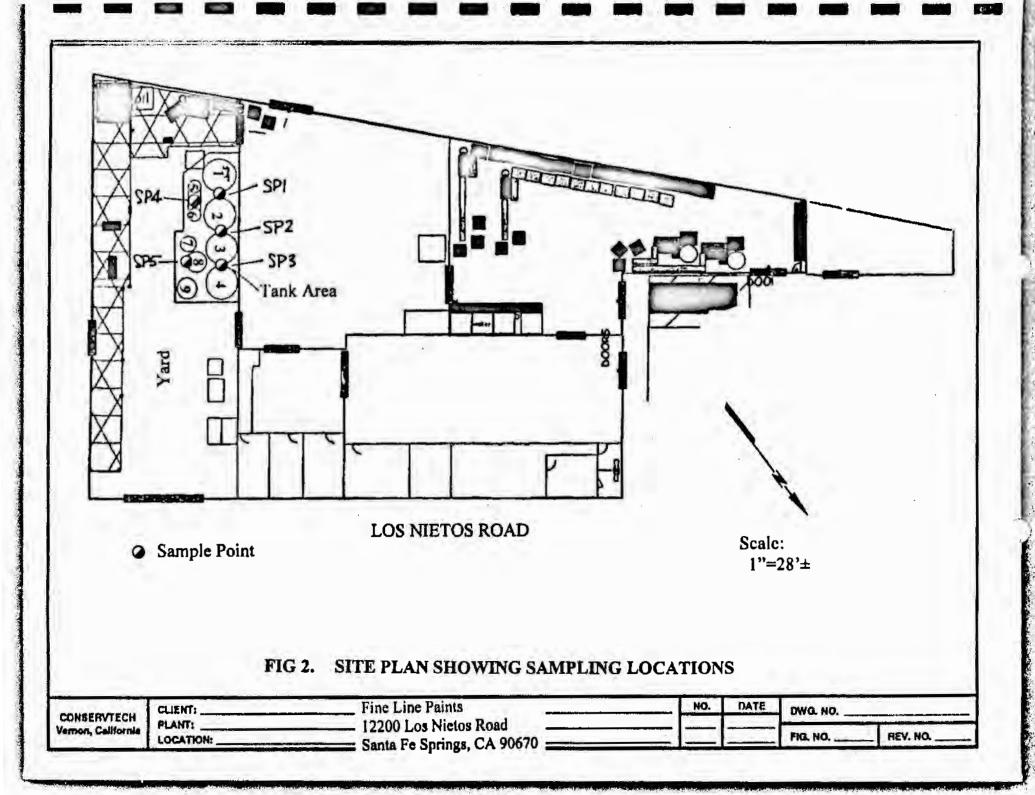
An Application for Storage Tank Closure (Appendix A) was prepared and submitted to the Santa Fe Springs Fire Department by Mr. Arthur Holst, acting in the role of Owner as Contractor. Attachments to the Application identify the companies intended to work on this project and the tasks to be performed by each.

3.1 Removal of Tanks

The actual AST removals took place on 24 July 2001 in the presence of Fire Department officials. The tanks were opened to gain access to the interior of each unit. Residual liquids were pumped out of Tanks ST5 and ST6 by vacuum truck after which the tanks were cleaned by high pressure water. In several of the other tanks dried residual material had to be chiseled out. Also, the bag house was emptied of accumulated dust.

Residual solids were placed in containers. The containers were transported by Adams Services, Gardena, California, under Uniform Hazardous Waste Manifest (UHWM, Appendix B). Solids were taken to D/K Environmental, Vernon, California for disposal. Residual liquids, product and rinsate, were transported by Adams Services under manifest (Appendix B) to DeMenno/Kerdoon, Compton, California for disposal.

After the containers were emptied and cleaned, all nine tanks and bag house were visually inspected, and the interior atmosphere of each unit was tested to assure that no explosive vapors remained. All test results were as



follows: 0% LEL (Lower Explosive Limit) and 20.8% Oxygen. This testing and certification of tanks, Appendix C, was performed by Thomas D. Beck & Assoc., Inc. dba Harbor Testing Laboratory, Long Beach, California.

Each of the tanks was placed on a flat bed truck and secured for transport to the recycling facility. The steel tanks were transported to the facility of Adams Steel, Anaheim, California for disposal. The fiberglass tanks were taken to the San Bernardino County Solid Waste Management Mid-Valley Landfill for destruction. Transportation was provided by Adams Services. The disposal of units is documented by Certificates of Destruction/Disposal (Appendix D).

3.2 Soil Sampling

Following the removal of tanks, an investigation of subsurface soils in the area was scheduled for 1 August 2001. First, the concrete pavement was cored at five selected locations by Skaggs Concrete Cutting, Inc., Placentia, California to permit access to the subsurface.

Shallow samples were obtained for analysis by Conservtech personnel at four of the five intended locations. The attempt to obtain a Sample SP2 was unsuccessful due to the excessive depth and instability of the pea gravel encountered. Samples SP1, SP3, SP4, and SP5 were successfully obtained at depths that varied from 2 feet 9 inches to 5 feet 2 inches in hand-augered borings. Boring locations are shown on the Site Plan Showing Sampling Locations, Figure 2.

At each of the selected sample depths, a slide-hammer sampler was used to obtain one sample in a 2-by-3 inch stainless steel sampling sleeve to be retained for analysis. From a second sleeve, obtained at the same time, three individual samples were taken by means of an En Core sampler, according to Method 5035, for VOC analysis. The Sampling Protocol is explained more fully in Appendix E.

On-site observations of lithology, made in the process of sampling, are summarized in Table 2.

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TABLE 2
Observations of Lithology

Sample	Depth	Soil Type	Color	Odor	Plasticity	Moisture
SPl	33 in	clayey silt	brown	none	moderate	damp
SP2*	50 in	pea gravel	tan		none	
SP3	62 in	"/silt	tan/ brown	н	slight	wet
SP4	33 in	clayey silt	brown	**	moderate	damp
SP5	36 in	pea gravel/ silt			slight	•

* Although sampling at this point was intended, no sample was actually obtained due to difficulties associated with the pea gravel encountered.

No aggregate material or debris was noted in any of the samples obtained which comprised soils of fine to moderate grain with some pea gravel. A few small chunks of broken concrete were extracted from the boring prior to obtaining sample SP5.

3.3 Results from Analysis of Soil Samples

The samples were submitted for analysis to Chemical & Environmental Laboratories, Santa Fe Springs, California which is a state-certified laboratory. The four samples were analyzed for Total Petroleum Hydrocarbons with Carbon Chain Scan (TPH, Method 8015M/CCS), Title 22 Metals, and Volatile Organic Compounds (VOCs, Method 8260B).

Official laboratory results are given in Appendix F; a summary of results is provided in Table 3 below.

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TABLE 3
Analyte Concentrations Detected in
Soil Samples Obtained on 1 August 2001

		Sa	mpl e	
	SP1	SP3	SP4	SP5
Gasoline (C4-C12)	ND	ND	ND	ND
Diesel (C13-C22)	ND	ND	ND	ND
Waste Oil (C23-C40)	ND	218	ND	ND
Tetrachloroethene	ND	0.004	ND	0.003
1,1,1-Trichloroethane	ND	0.005	ND	0.017
All Other VOCs	ND	ND	ND.	ND
Barium	79	27	87	37
Chromium	12	4	14	9
Copper	12	6	13	8
Lead	5	6	5	15
Nickel	10	ND	12	ND
Vanadium	15	6	18	8
Zinc	27	20	30	28

All concentrations are in mg/kg (ppm).

3.4 Groundwater Data

Groundwater data of interest were obtained from the Los Angeles County Department of Public Works, Hydrologic Records Section, on 16 August 2001. The information pertains to the sampling of three groundwater monitoring wells located in the vicinity of the subject site. Distances from site to well range from approximately 0.3 to 0.9 mile; all three have been sampled in recent years. A summary of available data is presented in Table 4.

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TABLE 4 Groundwater Data

Well No.	Distance/ Direction			Date Sampled
1623L	0.3 mi/N	49.8 ft	153.7 ft	16 Mar 00
1633B	0.45 mi/NNE	61.5 ft	150.5 ft	25 Mar 01
1625N	0.85 mi/SSW	62.3 ft	127.0 ft	25 Nov 00
* bgs = b	elow ground s	surface		

No information was found on the depth to groundwater directly beneath the subject property. However, the data in Table 4 indicate that the groundwater depth in the general vicinity of the site has varied little in recent years from approximately 50 to 62 feet below ground surface. It appears likely that these data are representative of groundwater depth at the property of interest.

4.0 ASSESSMENT OF FINDINGS

An assessment was made of the findings of this investigation of soils beneath the aboveground storage tanks on the site. The assessment was based on guidelines established by the California Regional Water Quality Control Board (CRWQCB), Los Angeles Region.

Among the four soil samples analyzed, only one sample (SP3) contained a detectable concentration of Petroleum Hydrocarbons. Sample SP3 was found to contain 218 mg/kg (ppm) of TPH with carbon chain lengths in the range C23-C40. The CRWQCB suggests soil cleanup screening levels for TPH/C23+ of 1,000 ppm and 10,000 ppm for respective depths to groundwater of less than 40 feet and from 40 to 150 feet. The TPH/C23-C40 concentration of 218 ppm found on the subject site is well within the more stringent 1,000 ppm guideline.

Among those analyzed, two samples (SP3 and SP5) contained detectable concentrations of two Volatile Organic Compounds (VOCs). The greatest Tetrachloroethene (PCE) concentration [0.004 ppm or 4 ppb (ug/kg)] was found in Sample SP3; the greatest 1,1,1-Trichloroethane (1,1,1-TCA) concentration (0.017 ppm or 17 ppb) was found in Sample SP5. The Maximum Contaminant Level (MCL) for drinking water, given for each of these VOCs in the California Code of Regulations (CCR)

Title 22), is as follows: PCE, 5 ug/l; 1,1,1-TCA, 200 ug/l. [One microgram per liter of water (ug/l) is equivalent to one ug/kg.] The maximum VOC concentrations detected in samples obtained on site are less than the respective MCLs.

Seven different Title 22 metals were detected in soil samples obtained on site. In all cases the concentration detected was much lower than the applicable Total Threshold Limit Concentration (TTLC). Except for two results, all total concentrations (mg/kg) were also equal to, or less than, the applicable Soluble Threshold Limit Concentration (STLC, mg/l.The exceptions were the concentrations of Total Lead in Samples SP3 (6 mg/kg) and SP5 (15 mg/kg). Even in these latter two samples, the Total Lead concentration would have to exceed 50 mg/kg (ten times the STLC for Lead) in order to allow the possibility that the Soluble Lead might exceed the STLC. In other words, all detected concentrations of Title 22 metals are well within the applicable threshold limits.

In summary, all concentrations of regulated materials detected in the four soil samples obtained on the subject property were well within generally accepted guidelines, applicable to each material, established by agencies of the State of California. None of these findings suggests a cause for concern.

5.0 LIMITATIONS

This report has been prepared for the exclusive use of Mr. Arthur Holst, owner of the subject property, as required by the Santa Fe Springs Fire Department. Conservtech's services in preparing the report have been performed in accordance with applicable standards, regulations, and guidelines and in accordance with currently recognized and accepted professional practice.

This report should not be regarded as a guarantee that no further regulated materials, beyond those detected during the investigation reported herein, are present in the subsurface on the property. Soil sampling and results obtained from the analysis of the samples are to be considered as of the times and specific locations from which those samples were collected. Subsurface conditions may differ at other locations and may change with time.

In the event that changes in the nature of the property use occur or additional, relevant information concerning the property is made known, the conclusions contained in this report may not be valid unless those changes and additional relevant information are reviewed and the conclusions of this report are modified or verified in writing.

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Page 10

6.0 CLOSING

This Aboveground Storage Tank Closure Report documents the work undertaken to implement the plan described in the Application for Storage Tank Closure that was prepared for this project.

The report has been submitted to the Santa Fe Springs Fire Department for review and approval. Although some metals, Volatile Organic Compounds, and Petroleum Hydrocarbons were detected as a result of laboratory analysis of the soil samples obtained, all concentrations were low and of little concern. As a consequence of these findings, it is recommended that the SFSFD issue a letter of closure for this project, including a statement indicating that no further work is required.

The report was prepared, reviewed, and approved by the undersigned.

Prepared by:

Harry W. Evans, REA

Reviewed and approved by:

Reid C. Delphey, Calif. RCE No. Ca

(Expires 6/30/200

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APPENDIX A
City of Santa Fe Springs Fire Department
Application for Storage Tank Closure

City of Santa Fe Springs Fire Department • Certified Unified Program Agency
11300 Greenstone Avenue
Santa Fe Springs, CA 90670
Phone (562) 944-9713 • Fax (562) 941-1817

APPLICATION FOR STORAGE TANK CLOSURE

FACILITY NAME:	FINE LIN	EGROUNI	y \square	NDERGE	OUND	•
LOCATION-		OS NIETOS	RD. SA	UTA EE	SPRINGS CA 90676	
RESPONSIBLE PARTY INFO	RMATION:		_ <u> </u>	WIA FE	SPRINGS, CA 70640	2
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Mailing Address.			City _		State Zin	Cisonai i iivacy
Contact Person _	SAME	· · · · · · · · · · · · · · · · · · ·	F	honeFX-	6: Personal Privacy	
CONTRACTOR OR	MOWNER/OPERA	TOR AS CONTRAC	CTOR Please m	dicate by checking	appropriate box. A list of all subcontract	
ne browned mar mar microst sicings to	ocontractor name, again	ess, phone number, so	cope of work, and	a copy of the conti	appropriate box. A list of all subcontract actor's license. (SEE ATTACHA	AFAIT A
1 Value	APT HOLST X-6: Personal Priv		EV 6. I	Sr Personal Privac	ate Licence Niumbar	ersonal Privacy
Address	SAME		City		State Zip	
	SAME			· · · · · · · · · · · · · · · · · · ·	Phone FX-6: Perso	nal Privac
CLOSURE REQUESTED:	All closures under thi	application must	meet the require	ments and condi	Hons lissed below.	
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	condition D attach		5 4).			
Monitoring wel	l abandonment (see	Condition E att	ched)			
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How many tanks v			ASTs		rs_O	
By signature below the applicant	certifies that they have	read, understand, i	and agree to abid	ic by the Storage	Tank Closure Requirements and Condi	tions, the
guidelines are available upon reques	it. By signature below y				Tank Closure Requirements and Condi- ier conditions and limitations attached. A ank operator that the identity of the last m	
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#### CLOSURE PERMIT SAMPLING SUPPLEMENT

Part 1 of 2

To satisfy the permanent closure requirements for storage tanks previously storing hazardous materials, site integrity must be demonstrated by the analysis of soil samples and, if applicable, groundwater samples as outlined below. These requirements are in addition to the conditions listed on the Application for Storage Tank Closure or contained in an approved Closure Plan. Additional guidelines regarding soil sampling requirements are available upon request.

- Samples shall be obtained at the sampling points (SP) indicated on the attached plot plan.
- 2. For each SP, samples shall be obtained at the following depths identified below. Note: Underground storage tank sites undergoing closure must be tested by Method 8260B for all volatile organic compounds (VOCs) per H&SC §25299.37.1 (for MTBE) and Los Angeles Regional Water Quality Control Board requirements for other volatile organic compounds (VOCs). Preparation method 5035 must be used for all VOCs.

SP SP I	Depth(s) 2-4 FT	Compounds  CAM META	us, VXs, I	PH CHAINSCA	Analysis Method
SPZ	4		. n		*
SP3	<b>u</b> `	•		11	•
SP4		*	,,	4	
SP5		. 25	~		•
	CAM METALS VOCS		METHO)		ZIEZ .
	VOCS	J SCAN	n	8260B 8015M/	SCAN

# ATTACHMENT A COMPANIES PERFORMING WORK ACCORDING TO SCOPE OF WORK

12200 Los Nietos Road Santa Fe Springs, CA 90670

#### Identification of Companies

The following company will clean, remove, and dispose of the tanks, as described in the Scope of Work below:

Adams Services Inc. 406 East Alondra Blvd. Gardena, CA 90248 Tel 310/523-4430

The following company will obtain the required subsurface soil samples, assess laboratory results, and document the work, as described in the Scope of Work below:

Conservtech, Division of Delphey/Gerdes Engineering, Inc. 3655 South Soto St. Vernon, CA 90058

Documentation to certify the above companies if attached.

#### Scope of Work

The following Scope of Work lists the tasks to be performed by each company.

Adams Services Inc.

- (1) Clean and dispose of residual product from two fiberglass and six steel aboveground storage tanks, designated ST-1 through ST-9 (including one partitioned tank, ST-5/6). Approximate volume of waste to be generated from cleaning is expected to be 16 drums. Provide disposal documentation.
- (2) Clean and dispose of one baghouse, baghouse waste and two pumps.
- (3) Remove and dispose of tanks. Issue a certificate of destruction or bill of sale for tank recycling/reuse.

All confined space entry work will be performed in accordance with 29 CFR 1910.146 and 8 CCR 5156 regulations.

Conservtech, Division of Delphey/Gerdes Engineering

(1) Core the concrete at each of five sample points.

(2) Obtain an undisturbed soil sample at a depth of 2-4 feet from each sample point by means of hand auger and slide-hammer sampler.

(3) Submit the samples to a state-certified laboratory for

analysis.

(4) Backfill the borings with bentonite, hydrate, and top with several inches of concrete flush with surrounding pavement.

(5) Document the tank closures in a written report to be submitted to the Santa Fe Springs Fire Department for

review and approval.

Solid waste from the cleaning of tanks will be disposed of at the facility of

DK Environmental 3650 East 26th St. Vernon, CA 90023

Rinsate from the cleaning of tanks will be disposed of at the facility of

DeMenno/Kerdoon 2000 N. Alameda St. Compton, CA 90222 a manager and the second of the second of

#### ATTACHMENT B DISPOSITION OF TANKS

12200 Los Nietos Road Santa Fe Springs, CA 90670

 Two fiberglass tanks will be taken to the following facility for disposal/destruction.

> NorCal County Landfill 2050 South Milliken Ave. Ontario, CA

 Six steel tanks (including one partitioned tank) will either be sold for reuse, if a buyer can be found, or otherwise destroyed for scrap.

Potential buyer of tanks for reuse is

Douglas Tank Sales & Service Co. 23341 Wagon Trail Road Diamond Bar, CA 91765

Scrap metal facility is

Downtown Metals Center 2728 Long Beach Ave. East Los Angeles, CA 90058

## ATTACHMENT C PAST UNAUTHORIZED RELEASE

12200 Los Nietos Road Santa Fe Springs, CA 90670

An unauthorized release of solvent from an underground storage tank (UST) was discovered at this facility in the late 1980s. Subsequently, the UST was removed, a soils investigation was performed to determine the extent of the leakage, and the impacted soils were remediated. A closure letter by the Los Angeles Regional Water Quality Control Board was issued on 29 February 1996. No USTs remain on the property.



Winston H. Hickox Agency Secretary California Environmental Protection Agency

### Department of Toxic Substances Control

Edwin F. Lowry, Director 400 P Street, 4th Floor, P.O. Box 806 Sacramento, California 95812-0806

***HAZARDOUS WASTE TRANSPORTER REGISTRATION***



Gray Davis Governor

#### NAME AND ADDRESS OF REGISTERED TRANSPORTER:

Adams Services, Inc. 406 East Alondra Blvd. Gardena, California 90248-2902

TRANSPORTER REGISTRATION NO. 3216

EXPIRATION DATE: November 30, 2001

THIS IS TO CERTIFY THAT THE FIRM NAMED ABOVE IS DULY REGISTERED TO TRANSPORT HAZARDOUS WASTE IN THE STATE OF CALIFORNIA IN ACCORDANCE WITH THE PROVISIONS OF CHAPTER 6.5, DIVISION 20 OF THE HEALTH AND SAFETY CODE AND TITLE 22 OF THE CALIFORNIA CODE OF REGULATIONS, DIVISION 4.5.

THIS REGISTRATION CERTIFICATE MUST BE CARRIED WITH EACH SHIPMENT OF HAZARDOUS WASTE.

FOR REGISTRATION INFORMATION, PLEASE CONTACT MS. TARI PATTERSON AT (916) 323-3219.

Many 146 Missens (AUTHORIZED SIGNATURE)

(DATE)

Printed on Recycled Paper



## South Coast Air Quality Management District

21865 E. Copley Drive, Diamond Bar, CA 91765-4182 (909) 396-2000 · http://www.agmd.gov

DATE: 05/30/01

EQUIPMENT LOCATED AT: VARIOUS LOCATIONS IN SCAOMD

GARDENA, CA 90248

LEGAL OWNER CO. ID: 106375
OR OPERATOR
ADAMS SERVICES, INC
406 E ALONDRA BLVD
GARDENA, CA 90248

PERMIT RENEWALS

PERMIT/ EQUIPMENT DESCRIPTION APPL NER

BILLING YEAR 2000
D93903 TANK DEGASSING, UNDERGROUND, OTHER 03-10

03-16-02

2 July 2001

To Whom It May Concern:

The purpose of this letter is to introduce Mr. Harry W. Evans, staff member of Conservtech, a division of Delphey/Gerdes Engineering, Inc. Delphey/Gerdes Engineering is a design and consulting organization in civil and environmental engineering. Environmental services provided include property assessments, investigations, and remedial action planning with respect to hazardous materials in the environmental.

19 Deckson

This letter verifies that Mr. Evans, who holds the M. S. Degree in Engineering, has been trained in the proper field procedures for obtaining soil samples, preserving those samples, and documenting the sample collections according to generally accepted protocols. His training also includes familiarization with the requirements for reporting the activities undertaken and the results obtained from field investigations.

When this letter is presented, Mr. Evans will be acting on behalf of, and under the technical supervision of, the undersigned California Registered Civil Engineer. Mr. Evans will report the results of his field activities directly to the undersigned, who will be responsible for the preparation of the required documentation for those activities.

Please feel free to contact the undersigned (323/583-6897) if there are any questions regarding this matter.

Very truly yours

Reid C. Delphey, P.E. Calif. RCE No. C53188 (Expires 6/30/2003)

7/2/8

APPENDIX B
Uniform Hazardous Waste Manifests for Disposal of Tank
Contents, Rinsate, and Bag House Dust

The state of the s

K ENVIRONMENTAL 50 BAST 26TH STREET ERNON, CA. 90023

713 697-8731

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and the second s

D/K Environmental has the appropriate permeta required by Local, State and Federal regulations to accept and receive the waste described.

SI

Waste 1.D. # 3/07/8-26
(Assigned by DKE)

CUSTOMER INFORM									
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PHILIP PROPERTY.	DENA. CA 90248								
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DO NOT WRITE BELOW THIS LINE.

APPENDIX C
Marine Chemist Certification and Testing

34				
	Thomas D. Beck & Assoc , Inc.  dba HARBOR TESTING LABORATORY  24 HOUR PHONE: (562) 492-9646		MARINE C	HEMIST CERTIFICATE Serial # 10572
	ADAMS GARVICES	FINELINE	E PATNTS	24 JALY 01
\$	Survey Requested By POUND TKS	APAVE	BRIUND TK	17200 LOS NIETOS
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		AL	TESTED	1% LEL, 208%
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-	5T-1; 5T-2; 5T-3;	NO.	TSAFE FO	e workers
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# City of Santa Fe Springs • Certified Unified Program Agency STORAGE TANK CLOSURE CERTIFICATION

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	TAN (State Tank ID)	<b>-</b>		MMABLE VA			OXYGEN	<del>,</del>
TANK INTERIOR ATMOSPHERE READINGS	57-1:5		EZ 0%-	MIDDLE	HOTTOM	20.8%	MIDDLE	POLLOY
	57-3;5	T-4	0%		5	708-		<del></del>
	5T-5; 5	T-6	0%		-5-	20.09		-
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## City of Santa Fe Springs • Certified Unified Program Agency STORAGE TANK CLOSURE CERTIFICATION

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APPENDIX D
Certificates of Tank Destruction/Disposal

JUL-24-2001 10:55 CERTIFICATE OF DESTRUCTION COMPANY NAME Fine line Paints **ADDRESS** 12200 LOX nietox #0. Santage Spri ADAMS STEEL CERTIFIES THAT 1- 4K Tank & some sonax HAS/HAVE BEEN SCRAPPED, CRUSHED AND TOTALLY DESTROYED ON: 7/24/10/ SIGNATURE TITLE DATE

ADAMS STEEL
3200 E. FRONTERA ROAD
ANAHEIM CA 92806
(714) 777-CARS
FAX (714) 630-5836

TOTAL P OI

JUL-24-2001 12:53

# CERTIFICATE OF

CERTIFICATE OF	P.81
DESTRUCTION	
COMPANY NAME Fineline Paints	
ADDRESS 12200 LOS NIETOS #	0715
Santa de Springs	
ADAMS STEEL CERTIFIES THAT 2-1Kta	AKS
HAS/HAVE BEEN SCRAPPED, CRUSHED AN TOTALLY DESTROYED ON: July 24/10 SIGNATURE A MARCHANICAL MARCHANICA	N 1
DATE July 24/01	
ADAMS STEEL 3200 E. FRONTERA ROAD	110
ANAHEIM CA 92806	
(714) 777-CARS	
FAX (714) 630-5836	

JUL-24-2001 09:19 P. 01-01 CERTIFICATE OF DESTRUCTION COMPANY NAME. Fine line taints ADDRESS 12200 ADAMS STEEL CERTIFIES THAT QUELTONKS 2 4K tanks HAS/HAVE BEEN SCRAPPED, CRUSHED AND TOTALLY DESTROYED ON: SIGNATURE DATE ADAMS STEEL 3200 E. FRONTERA ROAD ANAHEIM CA 92806 (714) 777-CARS FAX (714) 630-5836

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## ADAMS SERVICES, INC.

406 E. Alondra Blvd., Gardena, CA 90248-2902 (310) 523-4430 Δ FAX (310) 523-1518

#### CERTIFICATE OF DISPOSAL

This certifies that the following tanks from the site listed below were delivered to San Bernardino County Solid Waste Management's Mid-Valley Landfill for destruction (see Receiving Ticket 21187874, below).

Puli Date: July 24, 2001

Site: FINE LINE PAINTS

12200 Los Nietos Road Santa Fe Springs, CA

Tanks: 1 - 10' x 18' fiberglass tank 10 cm 4 "

way are

1- 8' x 19' fiberglass tank 700 5 0

SAN BERNARDING COUNTY
SOLID WASTE MANAGEMENT DIVISION
220 W. HOSPITALITY LANE, 2ND FLOOR
SAN BERNARDING, CA 92415-0017

WEIGHT RECEIPT

Transaction # 21187874

HY-Hard to Handle Sur

Decal 022963 Date 07/24/QL Vehicle Id Time In 12:30 Container Time Out 12:30 Castener ADAMS SERVICES BH/ BH Operator 000167 Declorant Location 22 Mid-Valley 42 Transaction 200 - Commercial Commercy - Payments By -1 - Charge 310 - Construction/Deroli Destination 100 - Mid-Valley LF Material 238 - LA County Origin 4480 LBS 2.24 TN 100 % of load Drigin LES ΤN % of load Origin LBS X of load TN Lbs Tons Scale Gross 36140 18.67 Tipping Fee 31660 15.83 (1) Special Fee HH-1

Net 4480 2.24

SANTA FE SPRINGS
Fall is great for composting - call 1-800-722-8004 for free info.

Frint: 16 Deares Sign: H DEREES

Total Fee

CHARGE CUSTOMERS - THIS IS NOT AN INVOICE

APPENDIX E Soil Sampling Protocol

#### SOIL SAMPLING PROTOCOL

The sampling protocol is described below. Included in the following is a commentary on Obtaining Samples, Safeguarding the Samples, Cleaning of Sampling Equipment, and the Chain-of-Custody.

#### Obtaining Samples

For this project, samples to be analyzed were obtained by two different means: (a) Samples were obtained by hand auger and slide-hammer sampler and retained in the sample sleeves; and (b) samples were taken by means of the En Core soil samplers from soils brought to the surface in the slide hammer sampler.

The first means of sampling required the use of a hand auger to bore down to the desired sampling depth. A slide-hammer sampler was then used to obtain the sample. The sampler contains two stainless steel sleeves. The sampler was driven into the ground filling the sleeves with soil. The first sleeve selected for analysis was end covered with Teflon sheet and sealed by application of plastic end caps. The caps were taped using non-VOC tape. The exterior surface of the tube was cleaned, and an identification label was applied.

The second means of sampling required the taking of three samples, each by separate En Core sampler, from soil in the second sleeve of the slide hammer sampler. Each En Core sampler, in turn, was inserted in the T-Handle and pushed into the soil within the metal sleeve until the coring body was completely full leaving no head space. The sampler was removed, and excess soil was wiped from the coring body exterior. The coring body was capped while still in the T-Handle; removed from the handle, and the plunger was locked by rotating. The tear-off label from the En Core Sampler bag was attached to the cap on the coring body, and the sampler was returned to the Ziplock-type bag, which was sealed and stored on ice. The En Core samplers, which are fabricated of plastic, have a capacity of 5 grams.

#### Safeguarding the Samples

Following labeling, the 2-inch by 3-inch sample sleeves and En Core samplers were inserted into protective Ziplock-type bags and stored in a chilled cooler containing Blue Ice. The samples were held in chilled storage until relinquished to the State-certified analytical testing laboratory at which time they were transferred to refrigerated storage at

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the laboratory until analyzed. The samples were delivered to the laboratory immediately upon completion of sampling operations.

In this case all samples were designated for analysis; no samples were archived for possible future analysis.

#### Cleaning of Sampling Equipment

Except for the En Core soil samplers, all other sampling equipment was cleaned before use at the site. The slide hammer sampler was cleaned prior to each sampling event. The En Core samplers were used as received from the factory. The cleaning process included washing with a Liqui-Nox solution followed by rinses using distilled water.

#### Chain-of-Custody

The Chain-of-Custody procedure for tracking the possession and handling of each individual soil sample from the time of collection in the field through laboratory analysis consists of the following discrete elements:

#### Sample Labeling

Each sample is labeled to prevent misidentification, and the information on each label is made legible. The labels and information are sufficiently durable to remain legible and affixed to the sample when wet. The label on each sample contains, at a minimum, the following information:

- a. Sample identification number, boring number, depth.
- b. Name of collector.
- c. Date and time of collection.
- d. Site location.

#### Custody Record

A Chain-of-Custody record is maintained for all samples. The record contains the following information:

- a. Sample numbers.
- b. Signature of collector.
- c. Date and time of collection.
- d. Site where samples were collected.
- e. Identification of borings.
- f. Number of containers.
- g. Parameters requested for analysis.
- h. Signatures of persons in possession of samples.
- i. Inclusive times and dates of possession.

APPENDIX F
Laboratory Results from
Analysis of Soil Samples

Market Company of the surface of the Company of the

August 08, 2001

Certificate No.: 2268

A COLOR DE LA COLO

Mr. Harry Evans Conservtech 3655 South Soto Street Vernon, CA 90058

Project.

Art Holst

Dear Mr. Evans:

Enclosed please find the report for the sample(s) received by Chemical & Environmental Laboratories and analyzed as indicated in the chain-of-custody attached.

We appreciate the opportunity to service the needs of your company. Please call me at (562) 921-8123 if you have any questions.

Sincerely.

Larry Zhang, Ph.D. Laboratory Director

14148 E. Firestone Blvd., Santa Fe Springs, CA 90670 Tel: 562 921-8123, Fax: 562 921-7974

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#### ANALYTICAL REPORT

--- 8015M(HC-Range) ---

Client Name: Project Manager: Conservach Harry Evans Art Holst

Date Sampled: Date Analyzed: 08/02/01

08/01/01

Project Name: Sample Matrix:

Soil

Date Reported: 08/06/01

SAMPL	E INFORMATION		RE	SULT (mg/kg or ppr	π)
C&E ID	Sample ID	DF	C4-C12	C13-C22	C23-C40
10801A-1	SP1	<u>, 1 : </u>	ND	ND	ND
10801A-2	SP4	1	ND	ND	ND
10801A-3	SP5	1	ND	ND	ND
10801A-4	SP3	1	ND	ND	218
	<u>:</u> 			1	<u> </u>
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Det	tection Limit:		0.1	10	50

ND = Not detected at the indicated detection limit.

DF = Dilution Factor

Reporting Limit = DF x Detection Limit

## **ANALYTICAL REPORT**

--- EPA 8260B/5035 ---

Page 1 of 2

Client Name: Project Manager: Harry Evans Project Name:

Sample Matrix:

Conserviech Art Holst Soil

And the state of t

Date Sampled: Date Analyzed: 08/01/01 08/02/01

Date Reported: 08/06/01

C&E ID		10801A-1	1080TA-2	10801A-3	10801A-4		
SAMPLE ID	† *	SP1	SP4	SP5	SP3		
OF	1	1	1	1	1		
COMPOUND	Detection Limit (ug/kg)		RES	OLT (ug/kg or	ррб)		
Berizene	2	ND	ND	ND	ND		
Bromobenzene	2	ND	ND	ND	ND	-1-	
Bromochloromethane	2	ND	ND	ND	ND		
Bromodichloromethane	2	ND	ND	ND	ND		
Bromoform	2	ND	ND	ND	ND		
Bromometh <b>ans</b>	2	ND	ND	ND	ND		
n-Butylbenzene	2	ND	ND	ND	ND		
sec-Butylbenzene	2	ND	ND	ND	ND		
tert-Butylbenzene	2	ND	ND	ND	ND		
Carbon Tetrachloride	2	ND	ND	ND	ND ND		
Chlorobenzene	2	ND	ND	ND	ND		
Chloroethane	2	ND	ND	ND	ND		
Chloroform	2	ND	ND	ND	ND		
Chloromethane	2	ND	ND	ND	ND		
2-Chlorotoluene	2	ND	ND	ND	ND		
4-Chlorotokuene	2	ND	ND	ND	ND		
Dibromochloromethane	2	ND	ND	ND	ND	,	
1,2-Dibromo-3-chloropropane	2	ND	NED	ND	ND		
1,2-Dibromoethane	2	ND	ND	ND	ND		
Dibromomethane	2	ND	ND	ND	ND		
1,2-Dichlorobenzene	2	ND	ND	ND	ND		
1,3-Dichlorobenzene	2	ND	ND	ND	ND		
1,4-Dichlorobenzene	2	ND	ND	ND	ND		
Dichlorodifluoromethane	2	ND	ND	ND	ND		
1,1-Dichloroethane	2	ND	ND	ND	ND		
1,2-Dichloroethane	2	ND	ND	ND	ND		
1,1-Dichloroethene	2	ND	ND	ND	ND .		
cis-1,2-Dichloroethene	2	ND	ND	ND	ND	<b></b>	
trans-1,2-Dichloroethene	2	ND	NO	ND	ND		
1,2-Dichloropropane	2	ND	NO	ND	ND		

To be continued on page 2

### ANALYTICAL REPORT

-- EPA 8260B/5035 --

Page 2 of 2

Client Name: Project Manager: Harry Evans

Conservtech Art Hoist

Date Sampled: Date Analyzed: Date Reported: 08/01/01 08/02/01 08/06/01

Project Name: Soil Sample Matrix:

C&E ID		10801A-1	10801A-2	10801A-3	10801A-4							
SAMPLE ID		SP1	SP3									
COMPOUND	Detection Limit (ug/kg)	RESULT (ug/kg or ppb)										
1.3-Dichloropropane	2	ND	ND	ND	ND							
2.2-Dichloropropane	2	ND	ND	ND	ND	0						
1,1-Dichloropropene	2	ND	ND	ND	ND							
cis-1,3-Dichloropropene	2	ND	ND	ND	ND							
trans-1,3-Dichloropropene	2	ND	ND	ND	ND							
Ethylbenzene	2	ND	ND	ND	ND							
Hexachtorobutadiene	2	ND	ND .	ND	ND							
Isopropylbenzene	2	ND	ND	ND	ND							
4-Isopropyttoluene	2	NĎ	ND	ND	ND							
Methylene Chloride	2	ND	ND	ND	ND							
Naphthalene	2	ND	ND	ND	ND							
n-Propylbenzene	2	ND	ND	ND	ND							
Styrene	2	ND	ND	ND	ND							
1,1,1,2-Tetrachloroethane	2	ND	ND	ND	ND							
1,1,2,2-Tetrachloroethane	2	ND	ND	ND	ND							
Tetrachloroethene	2	ND	ND	3	4							
Toluene	2	ND	ND	ND	ND							
1,2,3-Trichlorobenzene	2	ND	ND	ND	ND :							
1,2,4-Trichlorobenzene	2	ND	ND	ND	ND							
1,1,1-Trichloroethane	2	ND	ND	17	5							
1,1,2-Trichloroethane	2	ND	ND	ND	ND							
Trichloroethene	2	ND	ND	ND	ND							
Trichlorofluoromethane	2	ND	ND	ND	ND							
1,2,3-Trichloropropane	2	ND	ND	ND	ND							
1,2,4-Trimethylbenzene	2	ND	ND	ND	ND	······································						
1,2,5-Trimethylbenzene	2	ND	ND	ND	ND							
Vinyl Chloride	1	ND	ND	ND	ND							
Total Xylenes	2	ND	ND	ND	ND							

ND = Not detected at the indicated detection limit.

DF = Dilution Factor

Reporting Limit = DF x Detection Limit

# ANALYTICAL REPORT — CAM Metals ---

Client Name: Project Manager: Conservtech

Harry Evans

Date Sampled:

08/01/01

Project Name: Sample Matrix: Art Holst Soil Date Analyzed: Date Reported: 08/03/01 08/06/01

	C&E ID	1	10801A-1	10801A 1 10801A 2 10801A 3 10801A							
	MPLE ID		SP1	SP4	SP5	SP3					
ELEMENT	METHOD	Detection Limit (mg/kg)	WY I		SULT (mg/kg or						
Antimony (Sb)	6010	5	ND	ND	ND	ND					
Arsenic (As) 6010 5			ND	ND	ND	ND					
Barium (Ba)	6010	5	79	87	37	27	.,				
Berryllium (Be)	6010	0.5	ND	ND	ND	ND					
Cadmium (Cd)	6010	0.5	ND	ND	ND	ND	·				
Chromium (Cr)	6010	1	12	14	9	4					
Cobalt (Co)	6010	5	ND	ND	ND	ND					
Copper (Cu)	6010	1	12	13	8	6					
Lead (Pb)	6010	1	5	5	15	6					
Mercury (Hg)	7471	0.1	ND	ND	ND	ND					
Molybdenum (Mo)	6010	5	ND	ND	ND	N/D					
Nickel (Ni)	6010	5	10	12	ND	ND	·				
Selenium (Se)	6010	1	ND	ND	ND	ND	w				
Silver (Ag)	6010	1	ND	ND	ND	N/D	<u></u>				
Thallium (TI)	6010	5	ND	ND	ND	ND					
Vanadium (V)	6010	5	15	18	8	6					
Zinc (Zn)	6010	1	27	30	28	20					

ND = Not detected at the indicated detection limit.

#### **QC REPORT**

Spike/Spike Duplicate
-- M8015(Diesel) ---

Date Performed:

08/02/01

Lab Sample I.D.:

10801A

Unit: mg/kg

ANALYTE	SPK CONC	MS (mg/kg)	MS %	MSD (mg/kg)	MSD %	RPD	ACP %MS	ACP RPD
Diesel	1000	1077	108	1035	104	4.0	80-120	20

#### QC REPORT

Spike/Spike Duplicate
-- EPA 8260 ---

Date Performed: 08/02/01 Lab Sample I.D.: 10801A

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Unit: ug/kg

ANALYTE	SPK CONC	MS (ug/kg)	MS %	MSD (ug/kg)	MSD %	RPD	ACP %MS	ACP RPD
Benzene	40	36.52	91	39.74	99	8.4	80-120	20
Toluene	40	35.14	88	39.13	98	10.7	80-120	20
Ethylbenzene	40	35.64	89	39.31	98	9.8	80-120	20
Xylenes	40	36.45	91	38.61	97	5.8	80-120	20

#### QC REPORT

Spike/Spike Duplicate

— Metals —

Date Performed: Lab Sample I.D.: 08/03/01

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10801A

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ANALYTE	SPK CONC	MS (mg/kg)	MS %	MSD (mg/kg)	MSD %	RPD	ACP %MS	ACP RPD
Arsenic	10	8.95	89.5	8.96	89.6	0.1	80-130	20
Selenium	10	8.13	81.3	8,40	84.0	3.3	80-130	20
Cadmium	10	8.94	89.4	8.99	89.9	0.6	80-130	20
Lead	10	9.38	93.8	9.34	93.4	0.4	80-130	20
Barium	10 '	8.77	87.7	8.62	86.2	1.7	80-130	20

	VERNON, CAL 323-583-6897 Date:	SOTO STREET LIFORNIA 900	AUG						<b>-</b> , <b>-</b>		Clic Add Clt Pro	ent: dre: y: _ jec		atio	SAL on:_	I.	2 2 A		E TH	OLY N	ME		
	SAMPLE LOCATIONS	SAMPLE	TIME	Wale	A 5/	APLE	UOUIO	NAIG 8	WOSTINED			ON	TAINE DIST	R	]	EAV.		HO TED	BAN TAN	ITUE ED	SAMPLE METHOD	ANALYSE	
1		SPIA	0835			X	ŀ		+-	5 GM			X			X	X			X	EN CORE	1	
,		SPIB	••			X			Χ	ŧţ			X		1	X	X			X		METHOD 820	.0B.,
		SPIC	• (			X			X	14			Х			X	X			X	11	METALS, 801	5M/SCAN
		SPID	,.			X			X	2×3	X					X	X		X		SLIDE HAMMER	<u> </u>	
		SP4A	1005			X			X	564			Х			X	X			X	ENCORE		
2		SP4B	1,			X			. X	11			Х			X	X			X	11	METHOD 826	OB
		SP4C	11			X			X	ŀ			×			X	X			Х		METALS, 80	ISM/SCAN
		CP4D	10			X			X	2'x3'	X					X	У		X		SLIDE HAMMER		
			·							·				,									
; ; ; ;	RUSH: Date Require PQL's Require Lab QA/QC ( SEND LAB ( CONSERVT Hotes / Lab (	Required:	48 HR. DARD X TO: F/ U. E.	Tut YE: YE:	72 HI 20A 8 I 8 I	R. 120 1 N 1 N	813 0 UV	D C P III N A A	ddres ity: S hone VVOI ame: ddres	CE TO	(4 A ( 2): CA	S E G	E. 1 SP2 2/9 (OLS	IR INX ZI	- 8 - 8 - 70 - 13	12	A C	B		S F S F S F S	amples Received: Received By: Relinquished: Received: Received By:	CHILLED INTE	GRITY SEALS INTACT

	VERHON, CAL 323-583-683 Date:	SOTO STREET	sı <u>Au6</u>	- 20	וסו				-		Clic Add	nt: _ dres: y:	s:_		SAI		Δ <i>Q</i> Ζ.	ΈΓ 2/Δ	년 0 년	101	NE SHAIN-OF-CUS.  NETOS KO  NETOS KO  NETOS KO  NETOS KO	Δ	
												ject mple			on: .							Pı	roject No.;
	SAMPLE LOCATIONS	SAMPLE HO.	TIME		1 (6)	PLET	Tavo	1 2 8	WEST LYBED	NOTINE	_	THO		A 516	_"	ATATA PATE	-	1120	TA	4F1E FED	SAMPLE METHOD		ANALYSES
3		SP5A	1105			X			1-	544			X			X	Х			X	ENCORE	$\overline{\mathbf{f}}$	
J		SP5B	ìı			X			X	• •			X			X	X			X	1.	Н	METHOD BZGOB,
		SP5C	H			X			Х	1			y	4		X	X			X	M	f	METHOD 8260B, METALS, 8015M/SCAN
		SP5D	46			X			Х	2,5	X					X	X		X		SLIDE HANNER		
		SP3A	1155			X			X	544			X	4		У	X			X	ENCORE	1	
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				-		+		-	-				+	-	_	-	-	_	_	_			
	SAMPLES: RUSH: D Date Require POL's Require Lab OA/OC   SEND LAB CONSERVT Notes / Lab	24 KR. O od: <u>STAN</u> red: Regulred: RESULTS T	44 HPL DARD X TO:	TUB ( YES ( YES	2 HF	1 NO	123 132	Ci Pr IN	ty: S none IVOI	RATO C 1 AAT No.:	(4 A (	ES FOX	OL'S	18 21 31	- 8 97	10	A Z	B		ASF F SF F S	CUSTODY RECORD & Retinquished:	SH SH	